

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1 – 11 (canceled).

Claim 12 (canceled).

Claim 13 (canceled).

Claim 15 (canceled).

Claim 16 (canceled).

Claim 20 (canceled).

Claim 21 (canceled).

Claims 22 – 69 (canceled).

Claim 70 (new): An apparatus for exposing a photosensitive material, said photosensitive material having a light receiving surface and being exposed by radiation impinging on said light receiving surface, said apparatus comprising:

a substantively transparent substrate having a substantially planar light receiving surface oppositely spaced apart from and substantively parallel to a substantially planar light emitting surface;

at least one of a plurality of triplets of elongated arrays of color filter elements, said color filter elements selectively transmitting radiation in a distinct range of wavelengths, having a substantially planar color filter light receiving surface oppositely spaced apart from and substantively parallel to said substantially planar

color filter light emitting surface, any color filter element in the array has a characteristic surface dimension which is substantially the same for all color filter elements in the array and from which a center point can be defined, said color filter being formed from at least one color filter material, said at least one color filter material to form said at least one elongated color filter array being deposited onto and in effective light transmission relation to the light receiving surface of said substrate;

at least one of a plurality of triplets of elongated array of individually addressable Organic Light Emitting Diode (OLED) elements, said elements emitting light over a broad range of wavelengths, any OLED element in said at least one of a plurality of said elongated arrays has a characteristic surface dimension which is substantially the same for all OLED elements in the array and from which an OLED center point can be defined, said at least one OLED array being deposited onto and in effective light transmission relation to the light receiving surface of said at least one color filter array, the OLED center points for any said OLED array being substantially collinear and aligned with the respective color filter center points for the color filter array located in effective light transmission relation to that OLED array; and

wherein each OLED array in the triplet is in effective light transmission relation to the light receiving surface of one color filter array in the triplet thereby constituting an OLED color filter array set, each set in the triplet being aligned in substantially parallel spaced relation with respect to each other set in the triplet, each color filter array in each triplet being capable of transmitting radiation in a distinct wavelength range different from the distinct wavelength range of the other

two arrays in the triplet, each triplet being aligned in substantially parallel spaced relation with respect to any other triplet, and

wherein the planar light emitting surface of said at least one color filter array is oppositely spaced apart at a given distance from and substantively parallel to the light receiving surface of said photosensitive material, the color filter elements in any of the color filter arrays are spaced apart by a given spacing between centers of the color filters, and the radiation emanating from any color filter in any said array and impinging on said light receiving surface of said photosensitive material defines a pixel area on the light receiving surface of said photosensitive material, said pixel area having a characteristic pixel dimension, and wherein said distance between the planar light emitting surface of said at least one color filter array and the light receiving surface of photosensitive material, the distance between the light receiving surface of said substrate and the light emitting surface of said substrate, said spacing between centers of the color filters, and said characteristic surface dimension of the color filters are jointly selected so that, at a given pixel area, said pixel area corresponding to a given color filter element in a given color filter array, the exposure of said photosensitive material due to the light intensity from the elements of the given array which are adjacent to said given color filter element and from said given color filter element, is optimized.

Claim 71 (new). The apparatus of Claim 70 wherein the color filter material is an imageable material.

Claim 72 (new). The apparatus of Claim 70 wherein the color filter material is a colorant.

Claim 73 (new). The apparatus of Claim 70 wherein every said color filter element further comprises a region substantially adjoining the entire periphery of said color filter element, and said region substantively absorbing radiation in all three distinct wavelength ranges, each said distinct wavelength range being associated with a color filter in a said triplet.

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Reply to Office Action of 03/08/04

AMENDMENTS TO THE DRAWINGS

Enclosed is a proposed correction to Fig. 3B. The proposed correction inserts reference numeral 82 to indicate the light-emitting surface of the color filter layer as is discussed in the specification at page 20, line 9.